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NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency  
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02  
NEWS 6 Mar 08 Gene Names now available in BIOSIS  
NEWS 7 Mar 22 TOXLIT no longer available  
NEWS 8 Mar 22 TRCTHERMO no longer available  
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAplus and USPATFULL  
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY  
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NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
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NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

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FILE 'CAPLUS' ENTERED AT 21:01:14 ON 26 APR 2002

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FILE COVERS 1907 - 26 Apr 2002 VOL 136 ISS 18  
FILE LAST UPDATED: 25 Apr 2002 (20020425/ED)

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=> s pantoea and dehydrogenase  
415 PANTOEAE  
135737 DEHYDROGENASE  
22194 DEHYDROGENASES  
139138 DEHYDROGENASE  
(DEHYDROGENASE OR DEHYDROGENASES)

L1 22 PANTOEAE AND DEHYDROGENASE

=> s l1 and (gene or DNA)  
681765 GENE  
304568 GENES  
729969 GENE  
(GENE OR GENES)  
553112 DNA  
15524 DNAS  
555496 DNA  
(DNA OR DNAS)

L2 11 L1 AND (GENE OR DNA)

=> D 1-11

L2 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS  
AN 2002:172119 CAPLUS  
DN 136:231339  
TI Carotenoid production from a single carbon substrate  
IN Brzostowicz, Patricia C.; Cheng, Qiong; Dicosimo, Deana J.; Koffas, Mattheos; Miller, Edward S.; Odom, J. Martin; Picataggio, Stephen K.; Rouviere, Pierre E.  
PA E.I. Dupont De Nemours and Company, USA  
SO PCT Int. Appl., 156 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002018617	A2	20020307	WO 2001-US27420	20010904
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,			

BJ, CF, CG, CI, CM, A, GN, GQ, GW, ML, MR, NE, SN, , TG

PRAI US 2000-229858P P 20000901

US 2000-229907P P 20000901

L2 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2002:80715 CAPLUS

DN 136:97322

TI DNA sequence of *Erwinia herbicola* membrane-bound  
2-keto-D-gluconate dehydrogenase and uses thereof in  
2,5-diketo-D-gluconate production

IN Shin, Yong Chul; Pan, Jae Gu; Yeom, Do Yeong

PA Korea Institute of Science and Technology, S. Korea

SO Repub. Korean Kongkae Taeho Kongbo, No pp. given

CODEN: KRXXA7

DT Patent

LA Korean

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI KR 2000019366	A	20000406	KR 1998-37413	19980910

L2 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2001:676905 CAPLUS

DN 135:253740

TI Cloning and sequencing of lycopene .epsilon. cyclase from spinach and  
production of lutein in microorganisms by expression of the lycopene  
.epsilon. cyclase

IN De Souza, Mervyn L.; Kollman, Sherry R.; Schroeder, William A.

PA Cargill, Incorporated, USA

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
PI WO 2001066703	A1	20010913	WO 2001-US7178	20010307
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

PRAI US 2000-187576P A1 20000307

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2001:213123 CAPLUS

DN 135:328606

TI Cloning and Expression of Glucose 3-Dehydrogenase from *Halomonas*  
sp. .alpha.-15 in *Escherichia coli*

AU Kojima, Katsuhiro; Tsugawa, Wakako; Sode, Koji

CS Department of Biotechnology, Tokyo University of Agriculture and  
Technology, Koganei, Tokyo, 184-8588, Japan

SO Biochemical and Biophysical Research Communications (2001), 282(1), 21-27  
CODEN: BBRCA9; ISSN: 0006-291X

PB Academic Press

DT Journal

LA English

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2001:152358 CAPLUS

DN 134:206676

TI Production of L-glutamic acid by fermentation accompanied by precipitation from Enterobacter agglomerans  
IN Izui, Hiroshi; Moriya, Mika; Hirano, Seiko; Hara, Yoshihiko; Ito, Hisao;  
Matsui, Kazuhiko  
PA Ajinomoto Co., Ltd., Japan  
SO Eur. Pat. Appl., 33 pp.  
CODEN: EPXXDW

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1078989	A2	20010228	EP 2000-117807	20000818
	EP 1078989	A3	20011010		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001333769	A2	20011204	JP 2000-241253	20000809
	BR 2000003695	A	20010605	BR 2000-3695	20000818
	CN 1292421	A	20010425	CN 2000-130672	20000820
PRAI	JP 1999-234806	A	19990820		
	JP 2000-78771	A	20000321		

L2 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2000:235380 CAPLUS

DN 133:2315

TI Genetic and biochemical characterization of the pathway in *Pantoea citrea* leading to pink disease of pineapple

AU Pujol, Catherine J.; Kado, Clarence I.

CS Department of Plant Pathology, University of California, Davis, CA, 95616,  
USA

SO Journal of Bacteriology (2000), 182(8), 2230-2237

CODEN: JOBAAY; ISSN: 0021-9193

PB American Society for Microbiology

DT Journal

LA English

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1999:722788 CAPLUS

DN 131:335932

TI Microorganisms able to produce L-glutamic acid and a method for increasing production of L-glutamic acid

IN Moriya, Mika; Izui, Hiroshi; Ono, Eiji; Matsui, Kazuhiko; Ito, Hisao;  
Hara, Yoshihiko

PA Ajinomoto Co., Ltd., Japan

SO Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 955368	A2	19991110	EP 1999-105507	19990317
	EP 955368	A3	20010919		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2000106869	A2	20000418	JP 1999-68324	19990315
	AU 9921224	A1	19990930	AU 1999-21224	19990316
	BR 9901174	A	20000328	BR 1999-1174	19990317
	CN 1233661	A	19991103	CN 1999-105593	19990318
	US 6197559	B1	20010306	US 1999-271437	19990318
	US 2002004231	A1	20020110	US 2000-737580	20001218
PRAI	JP 1998-69106	A	19980318		
	JP 1998-224909	A	19980807		
	US 1999-271437	A3	19990318		

L2 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1999:328796 CAPLUS

DN 131:113779  
TI gdhB, a gene encoding a second quinoprotein glucose dehydrogenase in *Pantoea citrea*, is required for pink disease of pineapple  
AU Pujol, Catherine J.; Kado, Clarence I.  
CS Department of Plant Pathology, University of California, Davis, CA, 95616, USA  
SO Microbiology (Reading, United Kingdom) (1999), 145(5), 1217-1226  
CODEN: MROBEO; ISSN: 1350-0872  
PB Society for General Microbiology  
DT Journal  
LA English  
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS  
AN 1998:288805 CAPLUS  
DN 129:104861  
TI Strategy based on plasmid incompatibility for Tn5 mutagenesis in *Erwinia herbicola* ATCC 21998  
AU Vakhlu, J.; Johri, S.; Verma, V.; Qazi, G. N.  
CS Division of Biotechnology, Regional Research Laboratory (CSIR), Jammu Tawi, 180 001, India  
SO Curr. Sci. (1998), 74(7), 627-630  
CODEN: CUSCAM; ISSN: 0011-3891  
PB Current Science Association  
DT Journal  
LA English

L2 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS  
AN 1997:446077 CAPLUS  
DN 127:118081  
TI Plasmid profile of *Erwinia herbicola* ATCC 21998  
AU Koul, S.; Verma, V.; Kumar, Anand; Qazi, G. N.  
CS Division of Biotechnology, Regional Research Laboratory (CSIR), Jammu Tawi, 180 001, India  
SO Curr. Sci. (1997), 72(11), 876-879  
CODEN: CUSCAM; ISSN: 0011-3891  
PB Current Science Association  
DT Journal  
LA English

L2 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS  
AN 1997:16700 CAPLUS  
DN 126:127557  
TI Identification and characterization of a *Pantoea citrea* gene encoding glucose dehydrogenase that is essential for causing pink disease of pineapple  
AU Cha, Jae-Soon; Pujol, Catherine; Kado, Clarence I.  
CS Department of Plant Pathology, University of California, Davis, CA, 95616, USA  
SO Appl. Environ. Microbiol. (1997), 63(1), 71-76  
CODEN: AEMIDF; ISSN: 0099-2240  
PB American Society for Microbiology  
DT Journal  
LA English

=> D 11 AB

L2 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS  
AB *Pantoea citrea*, a member of the family Enterobacteriaceae, causes pink disease of pineapple, whose symptom is characterized by the formation of pink to brown discolorations of the infected portions of the pineapple fruit cylinder upon canning. Mol. genetic approaches were applied to elucidate the mechanism responsible for this fruit discoloration. A *P. citrea* mutant strain, CMC6, defective in its ability to cause pink disease and fruit discoloration, was generated by nitrosoguanidine mutagenesis. A DNA fragment that restored

these activities was isolated by screening a genomic cosmid library of *P. citrea*. A large open reading frame of 2,361 bp, identified by nucleotide sequencing of a subclone of the complementing DNA, showed high similarities to identified genes encoding glucose dehydrogenase (GDH) in *Escherichia coli*, *Acinetobacter calcoaceticus*, and *Gluconobacter oxydans*. The predicted amino acid sequence of GDH of *P. citrea* was identical to known GDHs in these bacteria by 54, 44, and 34%, resp. GDH of *P. citrea* has a predicted mol. mass of 86.2 kDa, contains a conserved binding domain for the cofactor pyrroloquinoline quinone, and possesses GDH activity as demonstrated by biochem. assay. GDH is the key branch point enzyme leading to the biosynthesis of gluconate, which in turn serves as the substrate leading to the formation of 2-ketogluconate, 2,5-diketogluconate, 6-phosphogluconate, and 2-keto-6-phosphogluconate. Addn. of gluconate to CMC6 restores the juice- and fruit-discoloring activity. Although the pigments formed by heating (or canning) have not been identified, it is clear that GDH is one of the enzymes required for pigment formation leading to pink disease.

=>  
=> DIS HIS

(FILE 'HOME' ENTERED AT 21:00:54 ON 26 APR 2002)

FILE 'CAPLUS' ENTERED AT 21:01:14 ON 26 APR 2002

L1            22 S PANTOEAE AND DEHYDROGENASE  
L2            11 S L1 AND (GENE OR DNA)

=> LOG H

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